Site Highlights

Superfund

Ground Water Extraction and Treatment System
Ellis Property Superfund Site
Evesham Township, Burlington County

Installation of Soil Cover
Asbestos Dump Superfund Site
Long Hill Township, Morris County

Non-Superfund

Scrap Metal Removal
Research Organics Inorganics
Belleville Township, Essex County

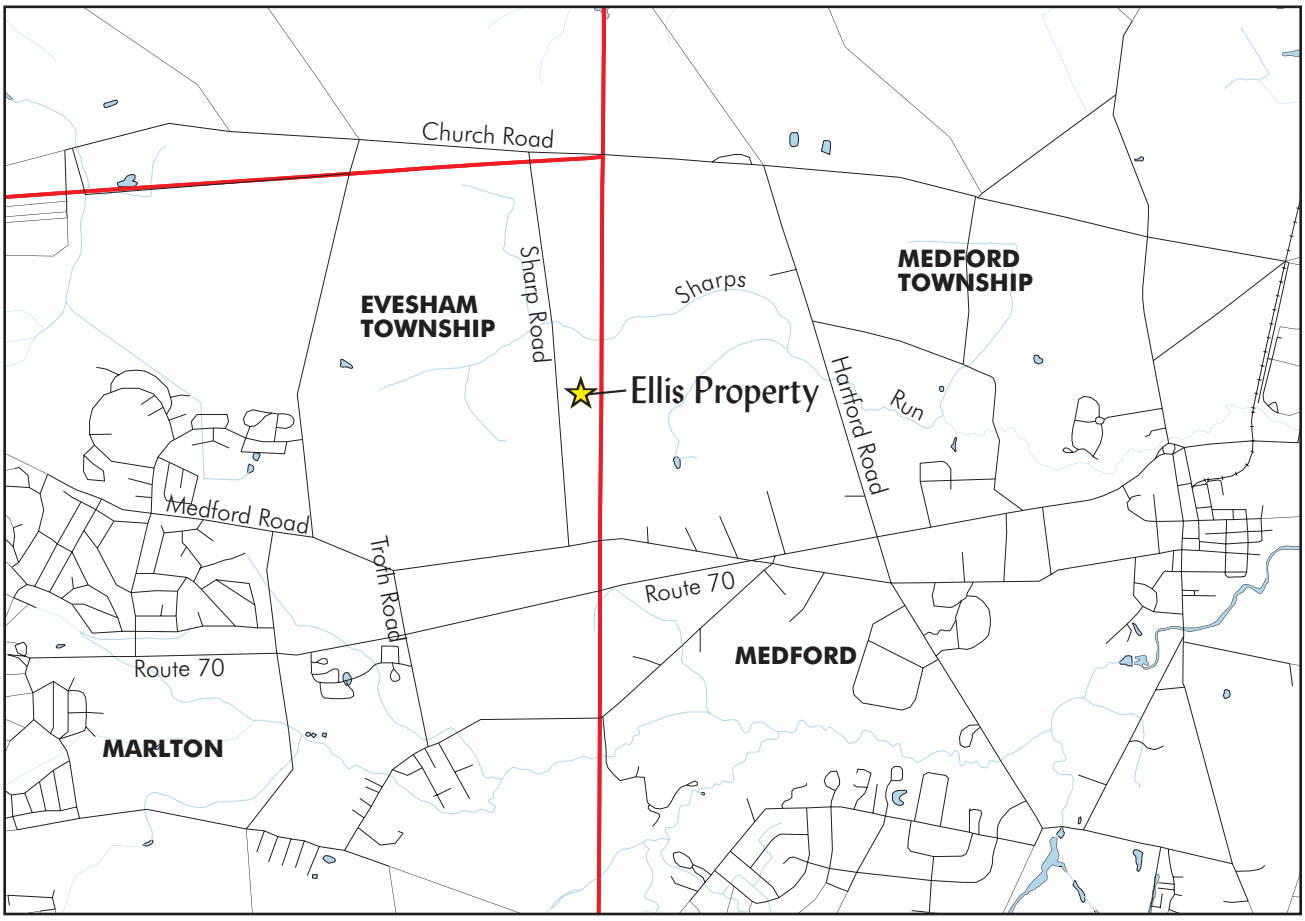
Contaminated Soil Removal
Electronic Parts Specialty Corporation
Lumberton Township, Burlington County

Underground Storage Tank Removal
Gary's Gas & Go
Middle Township, Cape May County

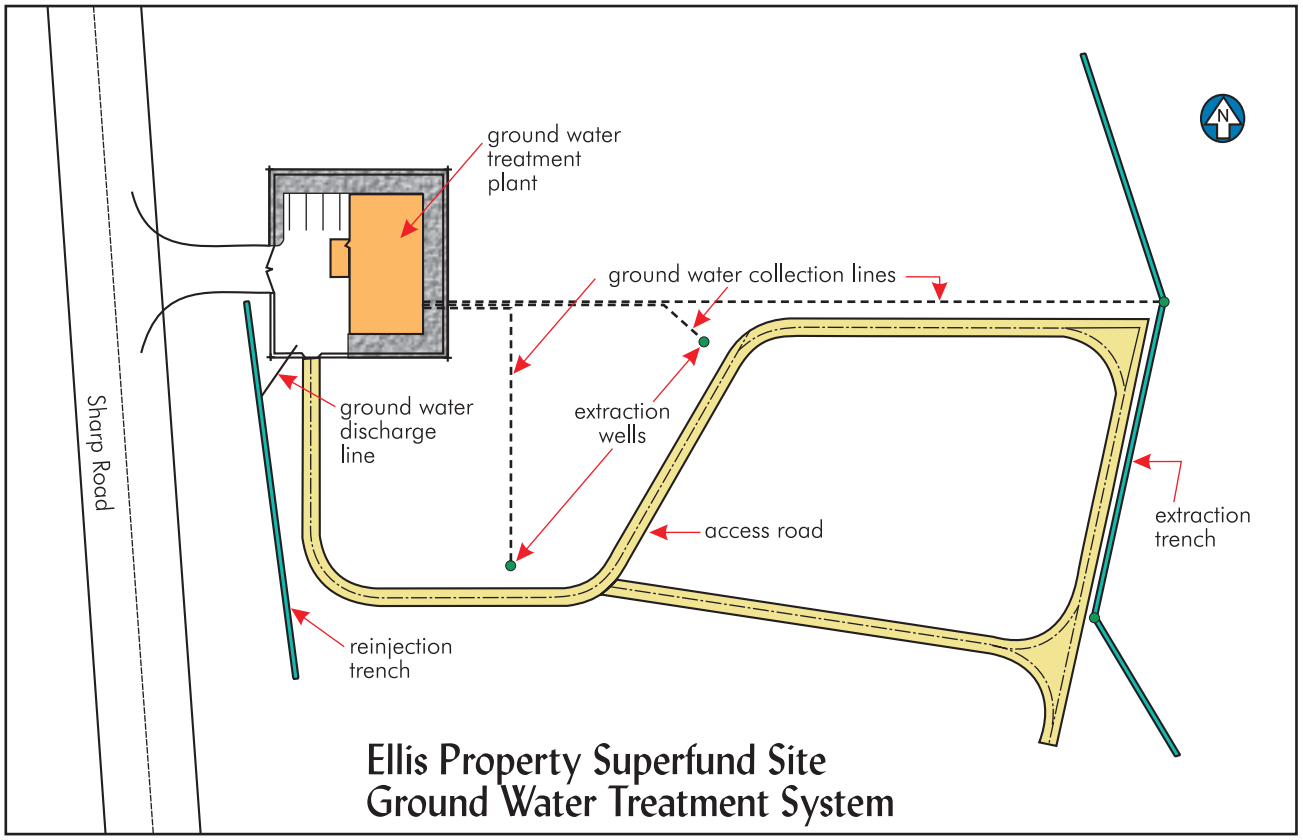
Water Line Installation
Veronica Lane & Lillian Drive Ground Water Contamination Site
Monroe Township, Gloucester County

Ellis Property Superfund Site
Evesham Township, Burlington County

In September 2000, NJDEP completed construction of a $2.1 million ground water treatment system at this former drum reconditioning facility in rural Burlington County. The system extracts contaminated ground water from the shallow aquifer, removes volatile organic contaminants through air stripping and carbon filtration and metal contaminants through flocculation followed by filtration, and re-injects the treated water on site. The system is currently treating approximately 22,000 gallons of ground water per day and will continue to operate until ground water quality at the site meets New Jersey Drinking Water Standards. This represents the final phase of the Ellis Property cleanup; NJDEP removed and properly disposed of over 300 abandoned drums and 1,500 cubic yards of contaminated soil in previous actions. For further information about the Ellis Property Superfund site, please see the site description on page 47.



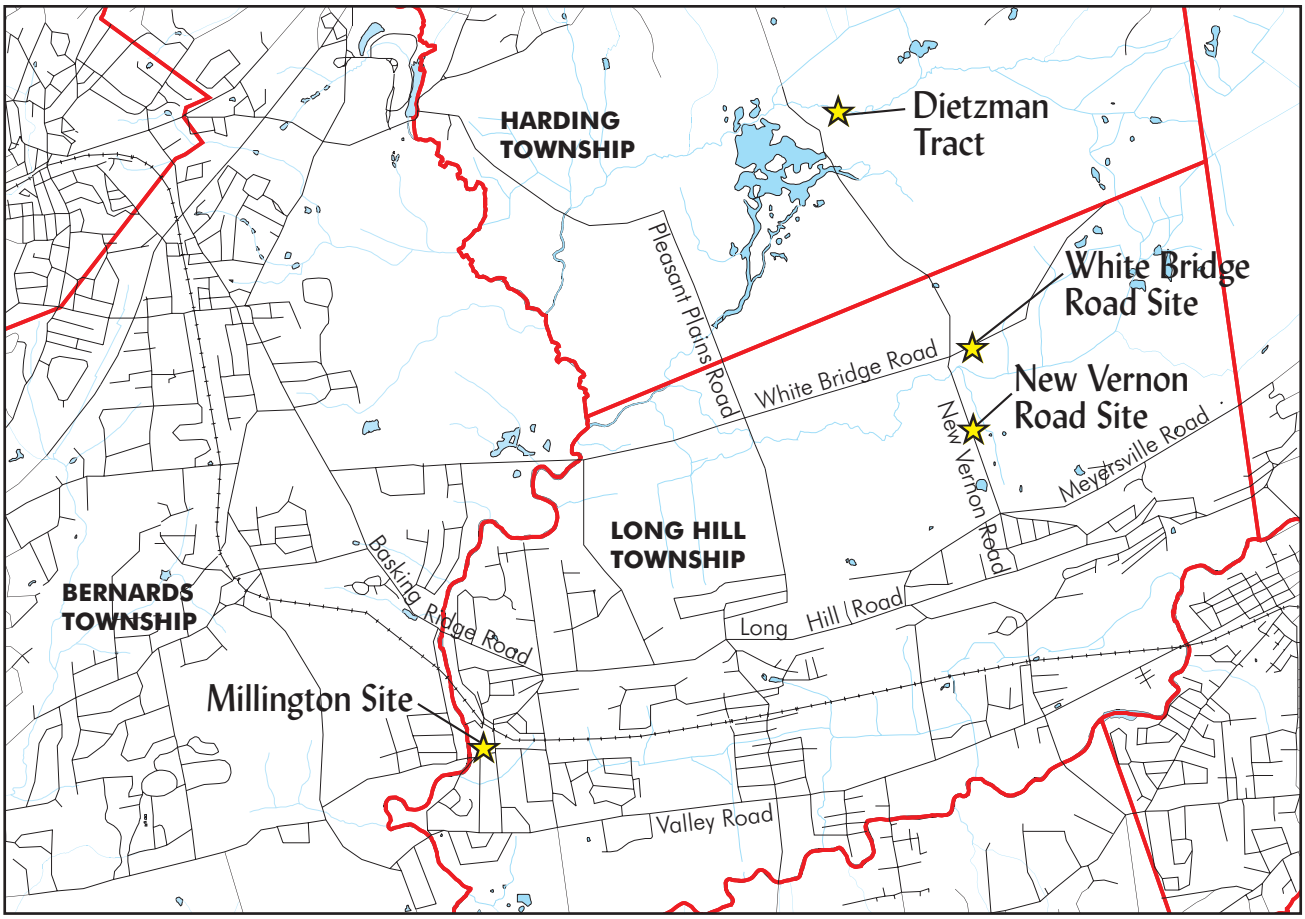
A view of the inside of the Ellis Property ground water treatment plant, showing from left to right the acid treatment tank, air stripper and effluent storage tank.



Contaminated ground water is recovered from two extraction wells and an extraction trench and sent to the on-site treatment plant to remove volatile organic compounds and metals. Following treatment, the water is returned to the aquifer through the reinjection trench. The ground water will be cycled through this treatment process until ground water cleanup criteria established for the site have been achieved.

Asbestos Dump Superfund Site
Long Hill Township, Morris County

In June 2000, USEPA completed installation of a soil cover and engineering controls at the Asbestos Dump Superfund site in Morris County. The 11-acre dump is located at the rear of an industrial property adjacent to the Passaic River in the Millington section of Long Hill Township. Asbestos manufacturing firms disposed of asbestos wastes at the site for many years. The remedial activities entailed placing a two-foot thick soil cover over areas of exposed asbestos, stabilizing the slope along the asbestos embankment, building channels to divert surface water runoff, constructing a retaining wall and seeding the landfill cover with grass to prevent erosion. The cost to install the soil cover and engineering controls was approximately $5,000,000. Remedial activities at three related asbestos dump sites in Long Hill and Harding townships were completed in 1998 and 1999. NJDEP will conduct operation and maintenance activities at the Millington site, which will include performing periodic inspections, mowing the grass and sampling ground water monitor wells. For further information about the Asbestos Dump Superfund site, please see the site description on page 205.

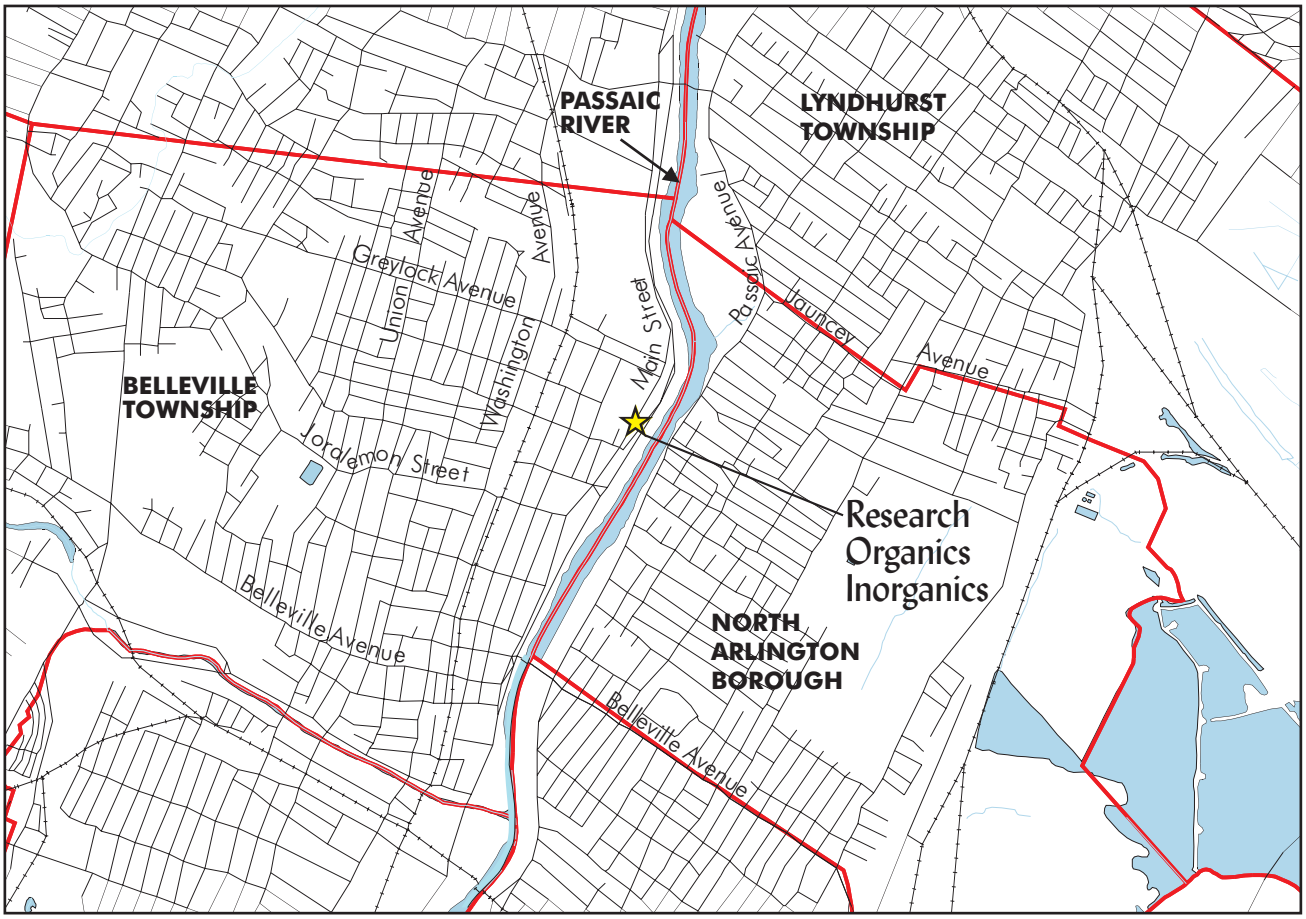


Above and right: Installation of the landfill cover is underway.

Left: The completed landfill with a view of the retaining wall.

Research Organics Inorganics
Belleville Township, Essex County

In the summer of 2000, NJDEP removed and recycled 40 tons of waste tanks, vessels and other scrap metal from this former chemical plant in anticipation of the sale of the property to a food manufacturing firm. The scrap metal removal project was the last in a series of remedial actions implemented by NJDEP at the facility since the company went out of business in 1983. Previous actions included a hazardous waste removal project, a Remedial Investigation and Remedial Action Selection, a soil cleanup action and a ground water monitoring program. NJDEP was awarded possession of the Research Organics Inorganics site after it sued the property owners to recover remedial investigation and cleanup costs. The state sold the property to the food manufacturing company in October 2000 and used the $495,000 in proceeds to partially reimburse the New Jersey Spillfund and the Town of Belleville for cleanup costs. This represents the first time NJDEP's Division of Publicly Funded Site Remediation has cleaned up a contaminated site, acquired the property through a court judgment and returned it to productive use by public sale, as provided by the New Jersey Spill Compensation and Control Act of 1976. For more information on the Research Organics Inorganics site, please see the site description on page 108.



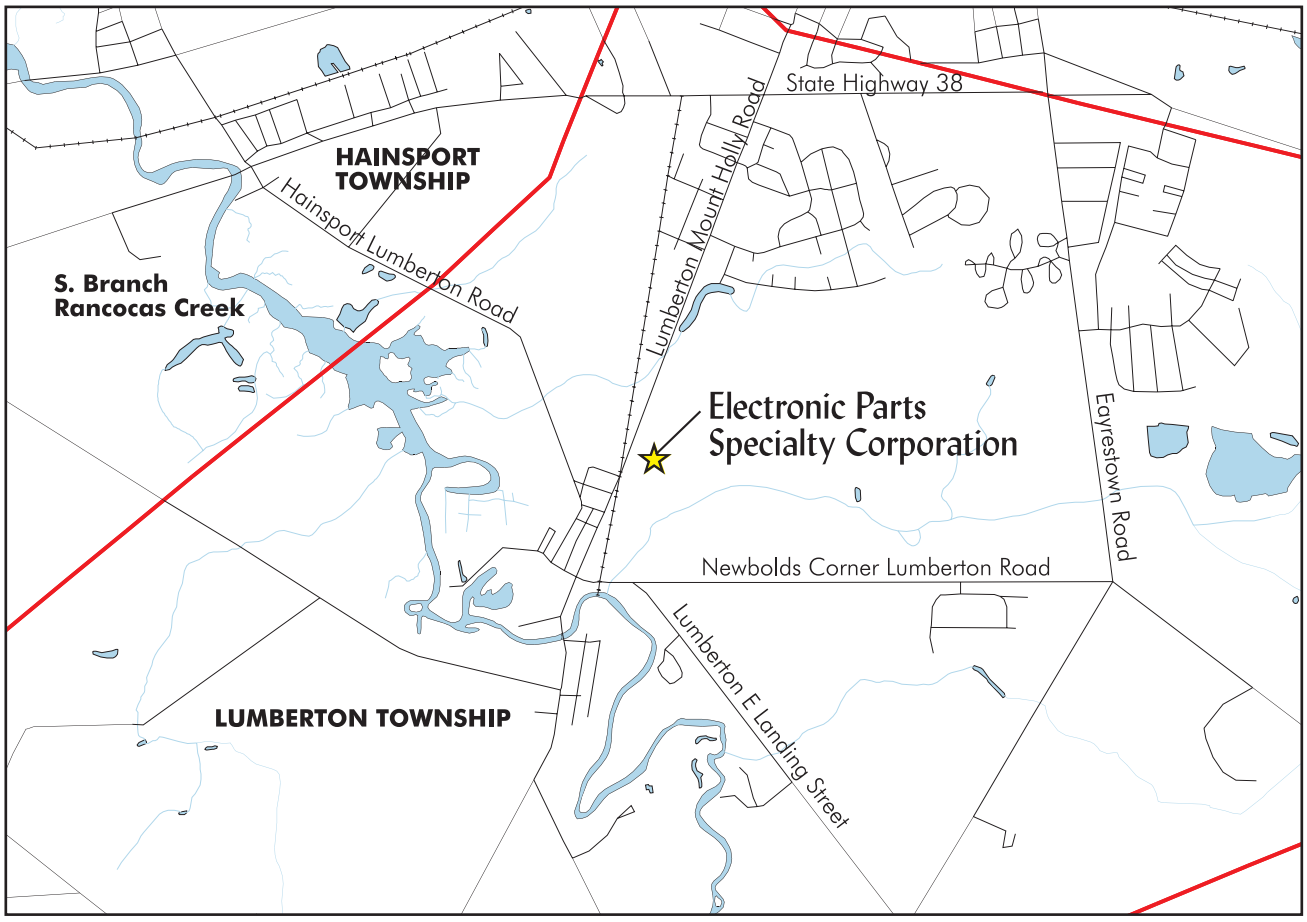
The Research Organics Inorganics site in mid-2000.

The inside of the facility after NJDEP completed the scrap metal removal project.

The Research Organics Inorganics building after the new owner had begun renovation activities.

Electronic Parts Specialty Corporation
Lumberton Township, Burlington County

In April 2000, NJDEP completed excavation and disposal of more than 1,800 tons of soil that was heavily contaminated with metals and volatile organic compounds from this active electroplating facility. The majority of the soil was removed from a former lagoon area, where electroplating waste water was discharged for approximately four decades, until 1985. NJDEP plans to cap the less contaminated soil at the property and install an on-site remediation system to extract and treat contaminated ground water. This facility is located adjacent to a large housing development and contaminants from the site have been detected in a creek that flows nearby. For further information about this site, please see the site description on page 46.



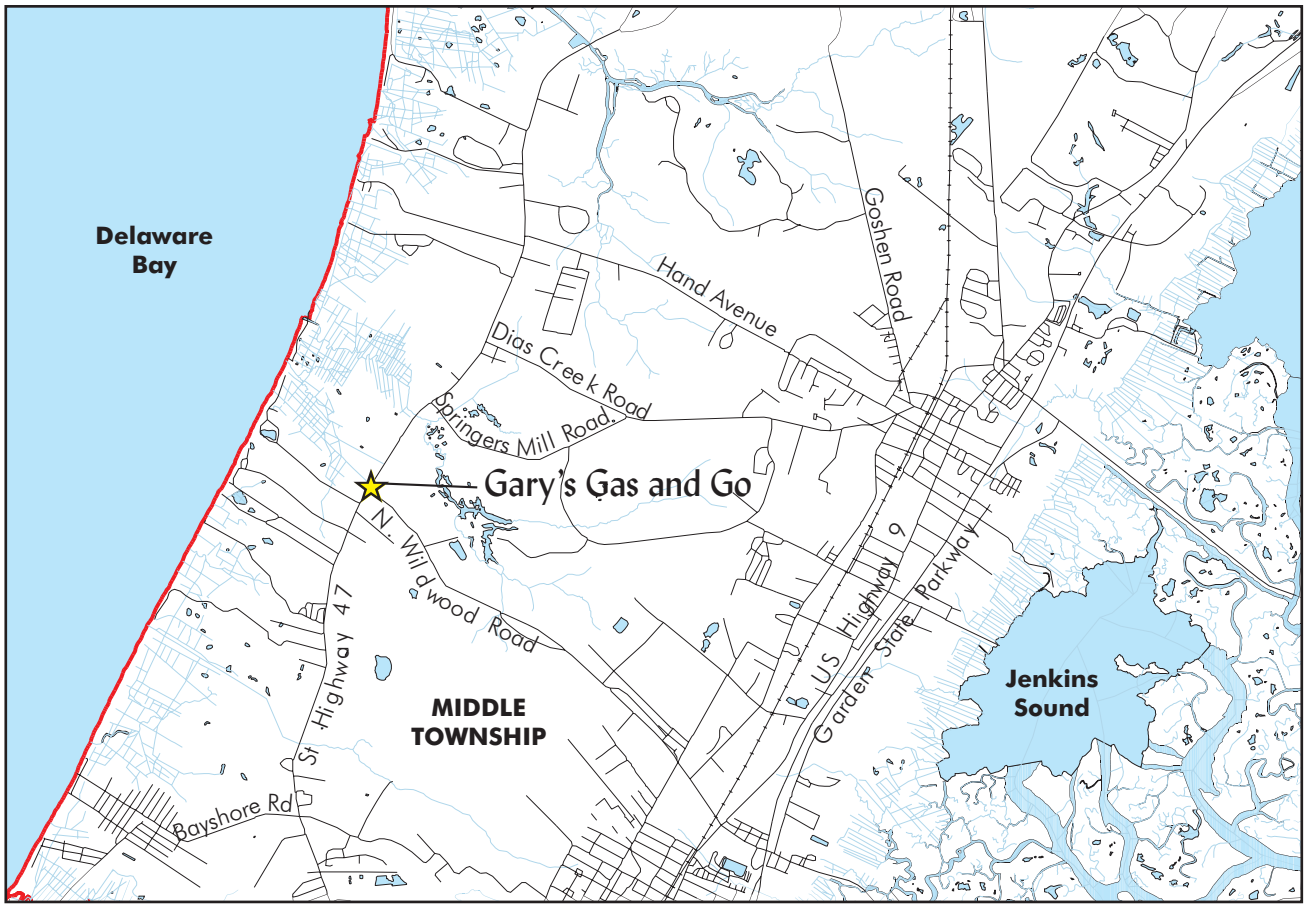
Workers clear overgrowth from the former lagoon area prior to the soil excavation project.

Discolored soil indicates the presence of contamination in the lagoon area.

The contaminated soil is placed in trucks for off-site disposal.

Gary's Gas & Go
Middle Township, Cape May County

In August 2000, NJDEP removed five underground gasoline storage tanks and 1,200 tons of gasoline-contaminated soil from this abandoned gas station. After the heavily contaminated soil was removed, NJDEP backfilled the excavated area with clean fill and covered the site with stone. NJDEP plans to begin an investigation of the ground water at the site in 2001. Sampling of nearby private potable wells by the Cape May County Health Department and NJDEP has not identified any wells with contamination exceeding New Jersey Drinking Water Standards. For further information about this site, please see the site description on page 85.



Workers clear the tops of the underground storage tanks in preparation for removal.

One of the underground storage tanks as it is taken from the ground.

After the tanks and contaminated soil were removed, NJDEP backfilled the excavation with clean soil and covered the area with stones.

Veronica Lane & Lillian Drive Ground Water Contamination Site

Monroe Township, Gloucester County

In September 2000, work was begun to install public water lines in the Crystal Lake area of Monroe Township, where over two dozen private potable wells were found to be contaminated with volatile organic compounds and mercury between 1998 and 1999. The Monroe Township Municipal Utilities Authority is installing the water lines using $2.3 million in Corporate Business Tax funds provided by NJDEP. Approximately 200 homes in the immediate area that currently have private wells will be connected to the water lines when the installation project is completed in mid-2001. NJDEP is maintaining Point-of-Entry Treatment (POET) water filtration systems at the homes with contaminated wells while the installation project is underway and will periodically sample wells at homes outside the project area to monitor the extent of the ground water plume. For further information about this site, please see the site description on page 129.